



WELCOME!

QUALITY POLICY STATEMENT

It is the policy of ATD Precision Manufacturing to continuously improve and deliver to our customers, products that fulfill their requirements, on time, at a competitive price.

FIND US AT:

www.atdpmfg.com

ISO 9001:2015 • AS9100D CERTIFIED • NADCAP WELDING

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WANT TO LEARN MORE?



ABOUT ATD

ATD Precision Manufacturing specializes in stamping, dies, tooling, laser and CNC precision machining as well as manufacturing products for aerospace, automotive, medical and commercial industries. Allied also offers systems integration with ERP software to ship products across the world based upon customer forecasts or EDI transactions.

ATD is certified to ISO 9001:2015 AS9100D and NADCAP accredited for welding. ATD has experienced working with all grades and shapes of materials from basic sheets all the way to Waspaloy bars or Inconel forgings. ATD's services include Precision Sheet Metal fabrication, Stamping, Forming, CNC Machining (5,4,&3-axis), CNC Laser Machining/Drilling, Five Axis Laser Welding, Fusion and Resistance Welding, ID/OD Grinding, EDM and Die Design and Die Manufacture.

We started as Allied Tool & Die in 1951 with 904 square feet of space and one mill producing tools, dies, and fixtures for the aerospace industry. Over 70 years later, the company is still in the same location in the heart of Phoenix, Arizona and owned by the same family, but has expanded to 35,000 square feet, and with early adoption of the latest technology, expanded to offer the services it provides today.

To officially recognize the change in services, Allied Tool & Die became ATD Precision Manufacturing in 2023, and continues the tradition of growth and expansion.

Our mission is to be a trusted partner to our customers by providing parts that make aerospace travel possible.



CNC

MACHINERY



LASER

CUTTING



METAL

FINISHING

SERVICES WE OFFER

SHEET METAL

FABRICATION

WELDING

INSPECTION



CNC EQUIPMENT

5

CNC MILLS

Grob G352
Kitamura MyTrunion 4G (2)
Kitamura Supercell 300
DMG Mori NMV3000
DMG Mori NH5000
Kitamura 4XV
SMEC MC4300
Trak 20P (3)
Leadwell TDC-510

5-Axis Horizontal Machining Center
5-Axis Vertical Machining Center
5-Axis Horizontal Machining Center
5-Axis Vertical Machining Center
4-Axis Horizontal Machining Center
4-Axis Vertical Machining Center
4-Axis Vertical Machining Center
3-Axis Vertical machining center
3-Axis Vertical machining center

WIRED E.D.M.

1 Charmilles Robofil 330F -- 5 axis
15.75" X 11.8" X 15.75", 30 deg.
taper

1 Mitsubishi FA- 10S Wire EDM
Machining Stroke
12.6" X 9.84" x "8.66"

CNC LATHES

SMEC SL2500ASY
Mill/Turn center 10" main
spindle 8" sub-spindle
SMEC SL2500BSY
Mill/Turn center 8" main
spindle 6" sub-spindle
SMEC SL3500
Turning center w/Live tooling
15" chuck
Nakamura SC300
Turning center w/Live tooling
10" chuck
Nakamura SC250
Turning center w/Live tooling 8"
chuck
Nakamura TMC-20
Turning center 8" chuck
Leadwell T7 (2)
Turning center 8" chuck
Leadwell T6 (2)
Turning center 6" chuck

ENGINEERING SOFTWARE QUALITY CNC MACHINING

ATD's CNC machines are interfaced with our CAD/CAM system to provide the quickest turnaround from design to production. From long production runs to prototype and tool and die work. ATD's CNC department is ready to serve the needs of the customers from concept to finished product; we will choose the most economical and efficient means of producing your part. Our craftspeople have over 20 years of experience in the trade and care about the integrity of the product from beginning to end. CAD/CAM 10 TekSoft Drawing Systems W / 3D Capabilities Camworks-Intuitive feature-based CAM software Fully integrated and embedded in SOLIDWORKS 3D CAD software. Striker Systems 2017 Sheetmetal CAD/CAM & Nesting Software. Provides Automatic and Interactive Programming. Automatic Multiple Part Nesting. Partshare Realtime Solid Modeling Interface. SS-Design, Advanced Sheetmetal CAD interface.

ACQUISITIONS



Grob G350

- o 5-Axis Horizontal Machining Center
 - 16,000 RPM Spindle
 - 160 Tool Carousel
 - Travel X:23.6"/Y:33.6"/Z:29.5
 - Renishaw Spindle Probe & Blum Laser Tool Setter



Kitamura Mytrunnion-4G

- o 5-Axis Vertical Machining Center
 - 15,000 RPM Spindle
 - 60 Station Tool Changer
 - Travel X:24"/Y:24"/Z:19.7
 - Renishaw Spindle Probe & Tool Setter



Kitamura Mycenter-4XV

- o 4-Axis Vertical Machining Center
 - 15,000 RPM Spindle
 - 40 Station Tool Changer
 - Travel X:40.2"/Y:20.1"/Z:20.1
 - Renishaw Spindle Probe & Tool Setter



Micro-Vu Excel 512

- o Fully Programmable Vision System
 - Full Color Camera
 - 15X-540X Magnification
 - Programmable lighting Options
 - Touch Probe with 4 Port Rack

WELDING / LASER

WELDING

1 Miller Dynasty 400 DX T.I.G.
1 Miller Dynasty 350 DX T.I.G.
1 Miller Synchrowave 351 T.I.G.

1 Sciaky 100 KVA Three-Phase Spot Welding
Thickness Range .014 - .1875
1 Unitek Resistance Welder 16 KVA

1 Roto Star 1 Rotary Welding Positioner 6" dia.,
0-90 tilt
1 CobraTurn T-260 Rotary Welding Positioner
1 DGP Piranha 3 Tungsten Grinder
1 Blue M 9 CU.FT. 662 Degree Heat Treat Oven



NADCAP CERTIFIED FOR TIG
AND RESISTANCE WELDING.

ATD ALSO OFFERS
LASER WELDING.



LASER MACHINERY

ScanPack software. 7x7 marking window
Sigma Nest Software
IPG Fiber Laser, 50 watts
Raytheon - 4 axis, 400 watt YAG
Lumonics - 4 axis, 400 watt YAG
HK Fiber Laser 3000 watt 4' X 10'
IPG LaserCube 2000 watts 4' X 4'
Han's W3525 1.5KW Fiber 3D - 5 axis, 8' X 12' X 3'

SHEET METAL FABRICATION ⁸



Okamoto Automatic Surface Grinder

12" x 24" Surface Plate
Grind to Tight Tolerance
Grind various metals



Sheet Metal Mfg. Equipment

1 Safan-Darley E-Brake B 100-3100
1 Accupress Brake Press 8-foot Bed 60 ton
1 Heager 824 Hardware Press
1 Inserter M618-MSP Hardware Press
1 Ramco 55 Ton Hydraulic Press
1 FlexArm Thread Tapping Arm
1 Pexto Shear 3 Foot - .020" capacity
1 Amada 4 Foot - .250" capacity
1 HK3000 Watt fiber laser
with Tebis / Sigma Nest Software



Manual Mills

2 Bridgeport Vertical with
DRO and power feed
1 Bridgeport Vertical

Bridgeport EZ-Trac Power Mill
Medium Duty Drill
4 Gang Powermatic

GAP FRAME PRESSES

1 Stamtec High Speed Punch Press 22 ton, 400 s.p.m
1 Komatsu 45 ton
1 Minster with air cushion 75 ton
1 Minster with air cushion 60 ton
1 Rosselle with air cushion 150 ton

STRAIGHTSIDE PRESS

1 Minster Piece-Maker 100 ton, 160 s.p.m.

DRILL PRESSES

2 Medium Duty Drill Presses
4 Gang Powermatic

LATHES

2 LeBlond Engine Lathes	19" dia. X 72"
1 Cadillac Gap Bed Lathe	25" dia. X 40"
1 Hardinge Manual Chucker Lathe	8" dia.
2 Hardinge Tooling Lathes	8" dia.
1 Hardinge Second Operation Lathe	8" dia.

MILLS

8 Bridgeport Vertical w / DRO and power feed	9" X 42"
2 Bridgeport Vertical	9" X 42"
1 Bridgeport EZ- Trac Power Mill	9" x 42"

SANDERS

2 Medium Capacity Sandblasters
1 48"x6" Multi-position Belt Sander

METAL FINISHING & INSPECTION



QUALITY ASSURANCE

ATD's quality starts at the beginning of the job, not the end. The quality we offer our customer is not compromised at any stage of the job and close is not good enough. We maintain a 100% quality rating in the aerospace industry and require the same high standards from all our outside vendors.

2 Master View Suburban 14" Comparator

Metal Finishing Equipment

1 Cress Heat Treat Furnace w/ Rock well testing	2,000 degrees
1 Blue M Heat Treat Furnace	9 cu. f t. / 662 degrees
2 Multi-Barrel Tumblers	
3 Grizzly H/F Booths	
1 ADF Auger Style Parts Cleaning System	
1 T ore 10 Cubic f t. Vibrator Deburr	
2 Ultra-Matic 3 Cubic f t. Vibratory Deburr	
1 Time Saver Deburr	

Grinding

4 Manual Surface Grinders w/ DRO	6" X 18"
1 Okamoto Automatic Surface Grinder	12" X 24" Grinder
1 Grinder Head	13" X 34" Grinder
1 Cincinnati Monoset	4.5" X 12"
1 Honing Machines	15" X 10"

Time saver & centrifuge

Saws

1 Master Cut
1 Drake
1 H yd-Mech 12 f t. Blade Auto Feed
1 DoAll Contour

Drill Presses

2 Medium Duty Drill Presses
1 4 Gang Powermatic

Inspection Equipment

Brown & Sharpe CMM
Hexagon 4.5.4 Shopfloor CMM
Hexagon 7.9.7 Global s Chrome CMM
Micro-Vu Excel 512

Manual CMM
Programmable CMM with PC-Dmis
Fully Programmable CMM with PC-Dmis
Vision system



Hexagon Global Chrome CMM

CONTACT INFO

Requirements for RFQs Email quotes@atdpmfg.com

1. Your company name.
2. Company address.
3. Contact name, phone number, email
6. Part number.
7. Part Description.
8. Print for item being quoted
9. Rev. level for the item.
10. Quantity to be quoted.

Order Requirements Email purchase orders to purchasorders@atdpmfg.com

1. Company name.
2. Company billing address.
3. Ship to address and shipping information
4. Contact name, phone number, email
5. New customers first time shipment will be C.O.D. When credit is approved, orders will be Net 30/unless special arrangements are made/ Net 30 starts the day the item has been shipped.
6. Special payment term arrangements will be 1% discount for payment received at Allied Tool & Die within 10 days.
7. Customer part number or ATD part number.
8. Part Description.
9. Rev. level for the item.
10. Quantity ordered: Allied has a minimum requirement of \$750.00 per line per shipment. Unit Cost.
11. Delivery Date: must be at least lead-time.

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Certifications

